

Claims

What is claimed is:

- [c1] A method for increasing the thermal stability of a well fluid comprising:
mixing an effective amount of a miscible amine in the well fluid, wherein the well
fluid comprises a synthetic polymer.
- [c2] The method of claim 1, wherein the miscible amine comprises an amine selected
from the group consisting of primary, secondary and tertiary amines, and mixtures
thereof.
- [c3] The method of claim 1, wherein the miscible amine comprises about 0.2% to
about 20% by weight of the well fluid.
- [c4] The method of claim 3, wherein the miscible amine comprises about 0.6% to
about 12% by weight of the well fluid.
- [c5] The method of claim 3, wherein the synthetic polymer comprises about 0.3% to
about 5% by weight of the well fluid.
- [c6] The method of claim 4, wherein the synthetic polymer comprises about 0.6% to
about 2.6% by weight of the well fluid.
- [c7] The method of claim 1, wherein the synthetic polymer comprises polyethylene
glycol.
- [c8] The method of claim 1, wherein the miscible amine comprises triethanol amine.
- [c9] A method for increasing the thermal stability of a well fluid comprising:
mixing about 0.2% to about 20% by weight of a miscible amine into the well fluid,
wherein the well fluid comprises a synthetic polymer.

- [c10] The method of claim 9, wherein the miscible amine comprises an amine selected from the group consisting of primary, secondary and tertiary amines, and mixtures thereof.
- [c11] The method of claim 9, wherein the synthetic polymer comprises polyethylene glycol.
- [c12] The method of claim 10, wherein the synthetic polymer comprises about 0.3% to about 5% by weight of the well fluid.
- [c13] The method of claim 9, wherein the miscible amine comprises triethanol amine.
- [c14] A thermally stable well fluid comprising:
a synthetic polymer; and
an effective amount of miscible amine.
- [c15] The well fluid of claim 14, wherein the miscible amine comprises an amine selected from the group consisting of primary, secondary and tertiary amines, and mixtures thereof.
- [c16] The well fluid of claim 14, wherein the synthetic polymer comprises polyethylene glycol.
- [c17] The well fluid of claim 14, wherein the miscible amine comprises triethanol amine.
- [c18] The well fluid of claim 14, wherein the miscible amine comprises about 0.2 % to about 20% by weight of the well fluid.
- [c19] The well fluid of claim 18, wherein the miscible amine comprises about 0.6% to about 12% by weight of the well fluid.

- [c20] The well fluid of claim 18, wherein the synthetic polymer comprises about 0.3% to about 5% by weight of the well fluid.
- [c21] The well fluid of claim 19, wherein the synthetic polymer comprises about 0.6% to about 2.6% by weight of the well fluid.
- [c22] A method of treating a well comprising:
injecting a well treating fluid into the well, wherein the well treating fluid comprises a synthetic polymer and an effective amount of a miscible amine.
- [c23] The method of claim 22, wherein the miscible amine comprises an amine selected from the group consisting of primary, secondary and tertiary amines and mixtures thereof.
- [c24] The method of claim 22, wherein the synthetic polymer comprises polyethylene glycol.
- [c25] The method of claim 22, wherein the miscible amine comprises triethanol amine.
- [c26] The method of claim 22, wherein the miscible amine comprises about 0.2% to about 20% by weight of the well treating fluid.
- [c27] The method of claim 26, wherein the miscible amine comprises about 0.6% to about 12% by weight of the well treating fluid.
- [c28] The method of claim 26, wherein the synthetic polymer comprises about 0.3% to about 5% by weight of the well treating fluid.
- [C29] The method of claim 27, wherein the synthetic polymer comprises about 0.6% to about 2.6% by weight of the well treating fluid.